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1	BRS	L2	39	(automat\$5 adj1 install\$3) AND software AND (virus OR antivirus) AND server\$1	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
2	BRS	L3	16543	software near2 updat\$3	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
3	BRS	L4	7	zero service interruption	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
4	BRS	L 5	1285	(distribut\$3 and (software near2 updat\$3)) and (access\$3 with authentica\$4)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
5	BRS	L7	3	5 and 2	US- · PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
6	BRS	L10	166	(software management) and (automatically updat\$3)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Type	L#	Hits	Search Text	DBs
7	BRS	L11	5025	software same (product\$1 and (upgrad\$3 or upgrad\$3))	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
8	BRS	L12	7 4	10 and 11	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
9	BRS	L14	4759	((automatically adj1 updat\$3) and (mandatory or rule\$1))	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
10	BRS	L15	6765	((automatically adj1 updat\$3) and (mandatory or rule\$1 or criteria))	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
11	BRS	L16	307	11 and 15	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
12	BRS	L17	67432	software same (updat\$3 or upgrad\$3)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L#	Hits	Search Text	DBs
13	BRS	L18	1285		US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
14	BRS	L21	48	18 and 707/10.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
15	BRS	L22	85	18 and 707/1-10.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
16	BRS	L23	40	18 and 707/100-104.1.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
17	BRS	L24	28	18 and 707/200-204.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
18	BRS	L25	7	18 and 707/9.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
19	BRS	L26	28	18 and 705/14,59.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
20	BRS	L27	31	18 and 705/50-51.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
21	BRS	L28	18		US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Type	L#	Hits	Search Text	DBs
22	BRS	L29	9	18 and 717/168.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
23	BRS	L30	103	18 and 709/221-224.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B



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next Relevance scale

Technical Session: Saving users from themselves: creating an effective student-original

anti-virus intervention

Kevin Davis

October 2001 Proceedings of the 29th annual ACM SIGUCCS conference on User services SIGUCCS '01

Publisher: ACM Press

Full text available: Dpdf(270.47

KB)

Additional Information: <u>full citation</u>, abstract, index terms

The proliferation of computer viruses, Trojans, and other malicious code in recent years presented a serious challenge to higher education computer services support programs. Outside of higher education, most IT departments mandate anti-virus policies through ce management of end-user systems and software. In an academic environment where stusystems are owned by the users and not institutions, however, such an approach is not always tenable, and the weaker forces of user education, ...

Keywords: McAfee VirusScan, anti-virus, computer security, intervention, residential computing support, user services

2 Automating windows security: building a security CD

Dan Albrich

November 2005 Proceedings of the 33rd annual ACM SIGUCCS conference on User services SIGUCCS '05

Publisher: ACM Press

Full text available: pdf(228.23

Additional Information: full citation, abstract, index terms

The last two years have seen more virus and spyware activity on Windows computers th the preceding fifteen years. Blaster and Welchia wreaked havoc in the fall of 2003 becau most of us had never seen a computer be infected through simple connection to the Inte While an individual computer support person has the knowledge to disinfect a computer, automation of that process is critical to handling thousands of users with limited support Our CD method allows us to update, patch, ...

Keywords: automated security, custom CD-ROM, patch management, scripting

3 Self-organizing systems: Ad hoc extensibility and access control

🍅 Úlfar Erlingsson, John MacCormick

July 2006 ACM SIGOPS Operating Systems Review, Volume 40 Issue 3

Publisher: ACM Press

Full text available: pdf(200.54 Additional Information: full citation, abstract, references, independence (KB)

General-purpose, commercial software platforms are increasingly used as system buildin blocks, even for dependable systems. One reason for their generality, usefulness, and post adoption is that these software platforms can evolve through ad hoc extensions: behavior tweaks outside the scope of supported platform interfaces. Unfortunately, such use of in platform implementation details is fundamentally incompatible with security and reliabilit Even so, platforms that exclude ad ...

4 The [216:1 Ratio]: bridging the growing support gap through proactive deployment c

emerging technologies

Johnathon A. Mohr

November 2006 Proceedings of the 34th annual ACM SIGUCCS conference on User services SIGUCCS '06

Publisher: ACM Press

Full text available: pdf(191.27 Additional Information: full citation, abstract, references, indext terms

Philadelphia University has developed radically as an entity since 1992. In 2002-2003, the University technology infrastructure was forced to evolve in response to selective pressure from a series of catastrophic worm (Blaster, Nachi, Sasser) incidents that crippled the network. In response, new technologies were deployed to protect the students, faculty a staff. The University became more agile and innovative with its technologies and is able more with less. The number of support incide ...

Keywords: adaptive networking, adaptive support, antivirus, malware, network access standardization, network security, personal computer security, preventative computing, remediation, spyware, updates, virus

5 Workshop on architectural support for security and anti-virus (WASSA): Characteriz

antivirus workload execution

Derek Uluski, Micha Moffie, David Kaeli

March 2005 ACM SIGARCH Computer Architecture News, Volume 33 Issue 1

Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, inditional terms

Despite the pervasive use of anti-virus (AV) software, there has not been a systematic s of the characteristics of the execution of this workload. In this paper we present a characterization of four commonly used anti-virus software packages. Using the Virtutec Simics toolset, we profile the behavior of four popular anti-virus packages as run on an I PentiumIV platform running Microsoft Windows-XP.In our study, we focus on the overhead

introduced by the anti-virus software during on- ...

Testing malware detectors

Mihai Christodorescu, Somesh Jha

July 2004 ACM SIGSOFT Software Engineering Notes, Proceedings of the 2004 AC SIGSOFT international symposium on Software testing and analysis ISS

'04, Volume 29 Issue 4

Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, independent information in the citation of the citation in t

In today's interconnected world, malware, such as worms and viruses, can cause havoc. malware detector (commonly known as virus scanner) attempts to identify malware. In : of the importance of malware detectors, there is a dearth of testing techniques for evalu them. We present a technique based on program obfuscation for generating tests for ma detectors. Our technique is geared towards evaluating the resilience of malware detector various obfuscation transformations common! ...

Keywords: adaptive testing, anti-virus, malware, obfuscation

7 Intrusion detection and response: MET: an experimental system for Malicious Emai

Tracking

Manasi Bhattacharyya, Shlomo Hershkop, Eleazar Eskin

September 2002 Proceedings of the 2002 workshop on New security paradigms No '02

Publisher: ACM Press

Full text available: pdf(790.18 Additional Information: full citation, abstract, references, citir KB) index terms

Despite the use of state of the art methods to protect against malicious programs, they continue to threaten and damage computer systems around the world. In this paper we present MET, the Malicious Email Tracking system, designed to automatically report stati on the flow behavior of malicious software delivered via email attachments both at a loca global level. MET can help reduce the spread of malicious software worldwide, especially replicating viruses, as well as provide furth ...

Keywords: anti-virus, email attachment, email tracking, virus detection

8 Invited papers on the frontiers of software practice: Cybersecurity

Richard A. Kemmerer

May 2003 Proceedings of the 25th International Conference on Software Engineer **ICSE '03**

Publisher: IEEE Computer Society

Full text available: Additional Information: full citation, abstract, references, citie

index terms

As more business activities are being automated and an increasing number of computers being used to store sensitive information, the need for secure computer systems become more apparent. This need is even more apparent as systems and applications are being distributed and accessed via an insecure network, such as the Internet. The Internet itse become critical for governments, companies, financial institutions, and millions of everyc users. Networks of computers support a multitude ...

9 Shield: vulnerability-driven network filters for preventing known vulnerability exploits

Helen J. Wang, Chuanxiong Guo, Daniel R. Simon, Alf Zugenmaier

August 2004 ACM SIGCOMM Computer Communication Review, Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications SIGCOMM '04, Volume 34 Issue

Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, citir index terms

Software patching has not been effective as a first-line defense against large-scale worm attacks, even when patches have long been available for their corresponding vulnerabilit Generally, people have been reluctant to patch their systems immediately, because patc are perceived to be unreliable and disruptive to apply. To address this problem, we propfirst-line worm defense in the network stack, using *shields* -- vulnerability-specific, explc generic network filters install ...

Keywords: generic protocol analyzer, network filter, patching, vulnerability signature, v defense

10 Temporal search: detecting hidden malware timebombs with virtual machines

Jedidiah R. Crandall, Gary Wassermann, Daniela A. S. de Oliveira, Zhendong Su, S. Felix W Frederic T. Chong

October 2006 ACM SIGPLAN Notices, ACM SIGOPS Operating Systems Review, AC SIGARCH Computer Architecture News, Proceedings of the 12th international conference on Architectural support for programming languages and operating systems ASPLOS-XII, Volume 41, 40, 34 Issue 5, 5

Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, indexterms

Additional Information: full citation, abstract, references, indexterms

Worms, viruses, and other malware can be ticking bombs counting down to a specific tin when they might, for example, delete files or download new instructions from a public w server. We propose a novel virtual-machine-based analysis technique to automatically discover the *timetable* of a piece of malware, or when events will be triggered, so that of types of analysis can discern what those events are. This information can be invaluable for responding to rapid malware, and automating ...

Keywords: malware, virtual machines, worms

11 Spyware: Web browsing and spyware intrusion

Sudhindra Shukla, Fiona Fui-Hoon Nah
August 2005 Communications of the ACM, Volume 48 Issue 8

Publisher: ACM Press

Full text available: pdf(127.99 Additional Information: full citation, appendices and supplem abstract, references, index terms (25.13 KB)

Spyware poses serious privacy and security issues to users of e-commerce and m-comm [3, 5, 8]. Microsoft claims that half of all computer crashes reported by its customers we caused by spyware and its equivalents. Spyware is also responsible for about 12% of all technical support calls and accounts for the biggest category of customer complaints, according to Dell [1].

12 Now that we are all so well-educated about spyware, can we put the bad guys out c

business?

Karen McDowell

November 2006 Proceedings of the 34th annual ACM SIGUCCS conference on User services SIGUCCS '06

Publisher: ACM Press

Full text available: pdf(263.64 KB)

Additional Information: full citation, abstract, index terms

The phenomenon known variously as spyware, adware, or malware has grown exponent in the past few years and has been swamping our computer systems, much like email sp but significantly worse in every sense of the word. Complicating the matter, the line betw viruses and spyware is rapidly blurring, largely because of the increasing sophistication of spyware and the multiplication of "bots." While it is possible that university students are more susceptible than the general publi ...

Keywords: adware, antispyware, bots, greyware, malware, spyware

13 Scalability, fidelity, and containment in the potemkin virtual honeyfarm

Michael Vrable, Justin Ma, Jay Chen, David Moore, Erik Vandekieft, Alex C. Snoeren, Geoffr Voelker, Stefan Savage

October 2005 ACM SIGOPS Operating Systems Review , Proceedings of the twention ACM symposium on Operating systems principles SOSP '05, Volume 3 Issue 5

Publisher: ACM Press

Full text available: pdf(506.39 Additional Information: full citation, abstract, references, citii index terms

The rapid evolution of large-scale worms, viruses and bot-nets have made Internet malv pressing concern. Such infections are at the root of modern scourges including DDoS extortion, on-line identity theft, SPAM, phishing, and piracy. However, the most widely u tools for gathering intelligence on new malware -- network honeypots -- have forced investigators to choose between monitoring activity at a large scale or capturing behavic with high fidelity. In this paper, we describe an approa ...

Keywords: copy-on-write, honeyfarm, honeypot, malware, virtual machine monitor

14 Session 1: ACT: attachment chain tracing scheme for email virus detection and con Jintao Xiong

October 2004 Proceedings of the 2004 ACM workshop on Rapid malcode WORM '0

Publisher: ACM Press

Full text available: Dpdf(283.77 Additional Information: full citation, abstract, references, citir KB) index terms

Modern society is highly dependent on the smooth and safe flow of information over communication and computer networks. Computer viruses and worms pose serious threa the society by disrupting the normal information flow and collecting or destroying inform without authorization. Compared to the effectiveness and ease of spreading worms and viruses, currently adopted defense schemes are slow to react and costly to implement.

This paper proposes an automated email virus detecti ...

Keywords: contact tracing, transmission chain, worm defense

15 Spyware: A framework for spyware assessment

Merrill Warkentin, Xin Luo, Gary F. Templeton

August 2005 Communications of the ACM, Volume 48 Issue 8

Publisher: ACM Press

Full text available: Dpdf(113.31

KB) Intml (28.58 KB)

Additional Information: full citation, appendices and supplem

abstract, references, index terms

One of the most challenging problems confronting the IT community is responding to the threat of spyware. Recent research, legislative actions, and policy changes have been hastened to counter spyware's threat to the privacy and productivity of both individuals organizations [2, 10--12].

16 State of the art: Research challenges of autonomic computing

Jeffrey O. Kephart

May 2005 Proceedings of the 27th international conference on Software engineeri ICSE '05, Proceedings of the 27th international conference on Software engineering ICSE '05

Publisher: ACM Press, IEEE Computer Society

Full text available: A pdf(128.40

KB) Publisher Additional Information: full citation, abstract, references, independent of the citation of the

terms

Site

Autonomic computing is a grand-challenge vision of the future in which computing system will manage themselves in accordance with high-level objectives specified by humans. TI industry recognizes that meeting this challenge is imperative; otherwise, IT systems will become virtually impossible to administer. But meeting this challenge is also extremely difficult, and will require a worldwide collaboration among the best minds of academia ar industry. In the hope of motivating researche ...

Keywords: autonomic computing, research challenges, self-managing systems

17 The cost of non-compliance: when policies fail Elinor M. Madigan, Corey Petrulich, Kelly Motuk



October 2004 Proceedings of the 32nd annual ACM SIGUCCS conference on User services SIGUCCS '04

Publisher: ACM Press

Full text available: pdf(187.91 Additional Information: full citation, abstract, references, citir KB) index terms

Employees are the greatest threat to an organization's security. Their non-compliance w security policies not only threatens the integrity of the system, it also costs the organiza significant amount of money due to the loss of information or the man-hours spent fixing problems that the user causes. This paper looks at the man-hour cost due to non-compli at a branch of a large university. We identified what constituted non-compliance and the the IT staff track the number of ...

Keywords: administrative staff, backup, malware, network, network policy, network see tools, viruses

18 Technical Session: Barbarians at the gateway, defeating viruses in EDU



Paul Schmehl

October 2001 Proceedings of the 29th annual ACM SIGUCCS conference on User services SIGUCCS '01

Publisher: ACM Press

Full text available: A pdf(250.70 Additional Information: full citation, abstract, references, inde terms

In this paper I discuss the strategies and techniques that we have used at the University Texas at Dallas (UTD) to successfully defend the campus against virus attacks and sugge methods for selling these ideas to faculty, staff and students.

Keywords: anti-virus, blocking, defenses, malicious programs, security, strategies, viru

19 On incremental file system development



Erez Zadok, Rakesh Iyer, Nikolai Joukov, Gopalan Sivathanu, Charles P. Wright May 2006 ACM Transactions on Storage (TOS), Volume 2 Issue 2

Publisher: ACM Press

Full text available: pdf(260.40 Additional Information: full citation, abstract, references, independent information in the company of the citation in the cit KB) terms

Developing file systems from scratch is difficult and error prone. Using layered, or stack? file systems is a powerful technique to incrementally extend the functionality of existing systems on commodity OSes at runtime. In this article, we analyze the evolution of layer from historical models to what is found in four different present day commodity OSes: So FreeBSD, Linux, and Microsoft Windows. We classify layered file systems into five types on their functionality and ...

Keywords: I/O manager, IRP, Layered file systems, VFS, extensibility, stackable file systems, vnode

20

Defensive technology: Detection of injected, dynamically generated, and obfuscated



malicious code

Jesse C. Rabek, Roger I. Khazan, Scott M. Lewandowski, Robert K. Cunningham October 2003 **Proceedings of the 2003 ACM workshop on Rapid malcode WORM '0**: **Publisher:** ACM Press

Full text available: pdf(240.68 Additional Information: full citation, abstract, references, citienter index terms

This paper presents DOME, a host-based technique for detecting several general classes malicious code in software executables. DOME uses static analysis to identify the location (virtual addresses) of system calls within the software executables, and then monitors the executables at runtime to verify that every observed system call is made from a location identified using static analysis. The power of this technique is that it is simple, practical, applicable to real-world software, and high ...

Keywords: anomaly detection, code analysis, dynamic analysis, execution monitoring, intrusion detection, malicious code detection, static analysis, system calls

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Relevance scale

1 From the editors: An update on software updates

David J. Brown

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March 2005 Queue, Volume 3 Issue 2

Publisher: ACM Press

Full text available: pdf(82.27

KB) 🖲 html

Additional Information: full citation, abstract, citings, index te

(8.08 KB)

The way software is delivered has changed.

2 A formal framework for component deployment

Yu David Liu, Scott F. Smith

October 2006 ACM SIGPLAN Notices, Proceedings of the 21st annual ACM SIGPLA conference on Object-oriented programming systems, languages, ar applications OOPSLA '06, Volume 41 Issue 10

Publisher: ACM Press

Full text available: A pdf(592.54

Additional Information: full citation, abstract, references, ind-

KB) terms

Software deployment is a complex process, and industrial-strength frameworks such as Java, and CORBA all provide explicit support for component deployment. However, these frameworks are not built around fundamental principles as much as they are engineering efforts closely tied to particulars of the respective systems. Here we aim to elucidate the fundamental principles of software deployment, in a platform-independent manner. Issue that need to be addressed include deployment unit design ...

Keywords: component, deployment, version

3 Testbed directions and experience: PlanetLab: an overlay testbed for broad-coverage

services

Brent Chun, David Culler, Timothy Roscoe, Andy Bavier, Larry Peterson, Mike Wawrzoniak,

July 2003 ACM SIGCOMM Computer Communication Review, Volume 33 Issue 3

Publisher: ACM Press

Full text available: pdf(158.92 Additional Information: full citation, abstract, references, citit KB)

PlanetLab is a global overlay network for developing and accessing broad-coverage netw services. Our goal is to grow to 1000 geographically distributed nodes, connected by a disverse collection of links. PlanetLab allows multiple service to run concurrently and continuously, each in its own slice of PlanetLab. This paper discribes our initial implemen of PlanetLab, including the mechanisms used to impelment virtualization, and the collect core services used to manage PlanetLab.

4 Information security: Cyberattacks: a lab-based introduction to computer security

Amanda M. Holland-Minkley

October 2006 Proceedings of the 7th conference on Information technology educa SIGITE '06

Publisher: ACM Press

Full text available: pdf(227.08 Additional Information: full citation, abstract, references, indexterms

This paper describes a lab-based course in computer security targeted at non-majors an introductory-level students at a liberal arts college. The course material exposes student actual malware and hacking attacks through experiments in an isolated computer lab. Through these experiments, students not only gain technical knowledge about computer security, but are also introduced to many of the topics from an introductory information technology course. The course culminates in students design ...

Keywords: IT education, computer security, laboratory coursework

5 A software retrieval service based on adaptive knowledge-driven agents for wireless

environments

Eduardo Mena, Arantza Illarramendi, Jose A. Royo, Alfredo Goñi

September 2006 ACM Transactions on Autonomous and Adaptive Systems (TAAS),
Volume 1 Issue 1

Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, inditional terms

The ability to retrieve software in an easy and efficient way confers competitive advantage computer users in general and, even more especially, on users of wireless devices (like s laptops, PDAs, etc.). In this article, we present a software retrieval service that allows us to select and retrieve software in an easy and efficient way, anywhere and anytime. Two relevant components of this service are: 1) a software ontology (software catalog) which provides users with a semantic descrip ...

Keywords: Software retrieval, adaptive multiagent systems, pervasive and mobile comp

6 Editorial zone: End-to-end routing behavior in the internet

Vern Paxson

October 2006 ACM SIGCOMM Computer Communication Review, Volume 36 Issue 5

Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, inditional terms

The large-scale behavior of routing in the Internet has gone virtually without any formal study, the exception being Chinoy's analysis of the dynamics of Internet routing informa [Ch93]. We report on an analysis of 40,000 end-to-end route measurements conducted repeated "traceroutes" between 37 Internet sites. We analyze the routing behavior for pathological conditions, routing stability, and routing symmetry. For pathologies, we characterize the prevalence of routing loops, erroneous ...

7 End-to-end routing behavior in the Internet

Vern Paxson

August 1996 ACM SIGCOMM Computer Communication Review, Conference proceedings on Applications, technologies, architectures, and protocomputer communications SIGCOMM '96, Volume 26 Issue 4

Publisher: ACM Press

Full text available: pdf(234.06 Additional Information: full citation, abstract, references, citir index terms

The large-scale behavior of routing in the Internet has gone virtually without any formal study, the exception being Chinoy's analysis of the dynamics of Internet routing informa [Ch93]. We report on an analysis of 40,000 end-to-end route measurements conducted repeated "traceroutes" between 37 Internet sites. We analyze the routing behavior for pathological conditions, routing stability, and routing symmetry. For pathologies, we characterize the prevalence of routing loops, erroneous ...

8 Conscientious software

Richard P. Gabriel, Ron Goldman

October 2006 ACM SIGPLAN Notices, Proceedings of the 21st annual ACM SIGPLA conference on Object-oriented programming systems, languages, ar applications OOPSLA '06, Volume 41 Issue 10

Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, citir index terms

Software needs to grow up and become responsible for itself and its own future by participating in its own installation and customization, maintaining its own health, and adapting itself to new circumstances, new users, and new uses. To create such software require us to change some of our underlying assumptions about how we write programs. promising approach seems to be to separate software that does the work (allopoietic) fro software that keeps the system alive (autopoietic).

Keywords: autopoiesis, continuous (re)design, emergence, feedback, repair, robustness self-sustaining systems, self-testing, software, software complexity, stigmergy

9 Efficient data breakpoints

Robert Wahbe

September 1992 ACM SIGPLAN Notices, Proceedings of the fifth international conference on Architectural support for programming languages operating systems ASPLOS-V, Volume 27 Issue 9

Publisher: ACM Press

Full text available: Additional Information: full citation, references, citings, index

terms

10 Architecture-based runtime software evolution

Peyman Oreizy, Nenad Medvidovic, Richard N. Taylor

April 1998 Proceedings of the 20th international conference on Software engineer **ICSE '98**

Publisher: IEEE Computer Society

Full text available: Additional Information: full citation, references, citings, index

terms

Site

11 Domains: SHAGE: a framework for self-managed robot software

Dongsun Kim, Sooyong Park, Youngkyun Jin, Hyeongsoo Chang, Yu-Sik Park, In-Young Ko, Kwanwoo Lee, Junhee Lee, Yeon-Chool Park, Sukhan Lee

May 2006 Proceedings of the 2006 international workshop on Self-adaptation and managing systems SEAMS '06

Publisher: ACM Press

KB)

Full text available: pdf(569.41 Additional Information: full citation, abstract, references, independent

Behavioral, situational and environmental changes in complex software, such as robot software, cannot be completely captured in software design. To handle this dynamism, s managed software enables its services dynamically adapted to various situations by reconfiguring its software architecture during run-time. We have developed a practical framework, called SHAGE (Self-Healing, Adaptive, and Growing SoftwarE), to support se managed software for intelligent service robots. The SHAGE framewor ...

Keywords: robot software, self-managed software, software architecture

12 Access control: SecureBus: towards application-transparent trusted computing with

mandatory access control

Xinwen Zhang, Michael J. Covington, Songqing Chen, Ravi Sandhu

March 2007 Proceedings of the 2nd ACM symposium on Information, computer an communications security ASIACCS '07

Publisher: ACM Press

KB)

Full text available: pdf(154.95 Additional Information: full citation, abstract, references, independence of the company of the citation of th

terms

The increasing number of software-based attacks has attracted substantial efforts to pre applications from malicious interference. For example, Trusted Computing (TC) technological have been recently proposed to provide strong isolation on application platforms. On the other hand, today pervasively available computing cycles and data resources have enable various distributed applications that require collaboration among different application processes. These two conflicting trends grow in pa ...

Keywords: SecureBus, mandatory access control, secure platform, trusted computing

13 Versioned software architecture

André van der Hoek, Dennis Heimbigner, Alexander L. Wolf

November 1998 Proceedings of the third international workshop on Software architecture ISAW '98

Publisher: ACM Press

Full text available: pdf(448.31 Additional Information: full citation, references, citings, index

terms

14 A cooperative approach to support software deployment using the software dock Richard S. Hall, Dennis Heimbigner, Alexander L. Wolf

May 1999 Proceedings of the 21st international conference on Software engineeri ICSE '99

Publisher: IEEE Computer Society Press

Full text available: pdf(1.43 MB) Additional Information: full citation, references, citings, index

terms

Keywords: Java, configuration management, mobile agents, software deployment

15 Technical Session: Saving users from themselves: creating an effective student-original statement of the student of the statement of the st

anti-virus intervention

Kevin Davis

October 2001 Proceedings of the 29th annual ACM SIGUCCS conference on User services SIGUCCS '01

Publisher: ACM Press

Full text available: 🔁 pdf(270.47

KB)

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The proliferation of computer viruses, Trojans, and other malicious code in recent years presented a serious challenge to higher education computer services support programs. Outside of higher education, most IT departments mandate anti-virus policies through companagement of end-user systems and software. In an academic environment where sturystems are owned by the users and not institutions, however, such an approach is not always tenable, and the weaker forces of user education, ...

Keywords: McAfee VirusScan, anti-virus, computer security, intervention, residential computing support, user services

16 Testbed directions and experience: Experience with an evolving overlay network test

David G. Andersen, Hari Balakrishnan, M. Frans Kaashoek, Robert Morris
July 2003 ACM SIGCOMM Computer Communication Review, Volume 33 Issue 3
Publisher: ACM Press

Full text available: pdf(115.26 Additional Information: full citation, abstract, references, citir KB)

The MIT RON testbed consists of 36 Internet-connected nodes at 31 different sities. It has been in operation for two years. This paper presents an overview of the testbed, summa some of the research for which it has proved useful, and presents the lessons we learned during its development. The testbed has been useful both for our own research and for t external researchers because of its heterogeneous, diverse network connections; its homogenous hardware and software platform; its inc ...

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Compuater Graphics staff

September 1977 ACM SIGGRAPH Computer Graphics, Volume 11 Issue 3

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Sudhindra Shukla, Fiona Fui-Hoon Nah

August 2005 Communications of the ACM, Volume 48 Issue 8

Publisher: ACM Press

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abstract, references, index terms

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Alfred W. Loo

September 2003 Communications of the ACM, Volume 46 Issue 9

Publisher: ACM Press

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An economical method for pumping up computing power by tapping into P2P systems us Web server technologies.

20 Embedded, ubiquitous, and adaptive systems: Tailoring an architectural middleware

platform to a heterogeneous embedded environment Sam Malek, Chiyoung Seo, Nenad Medvidovic

November 2006 Proceedings of the 6th international workshop on Software engineering and middleware SEM '06

Publisher: ACM Press

Full text available: Dpdf(665.95 Additional Information: full citation, abstract, references KB)

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